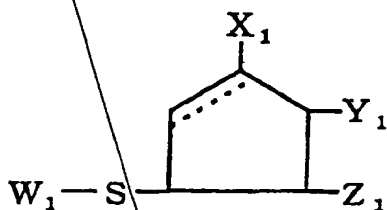


(I);

4-hydroxy-2-cyclopenten-1-one;

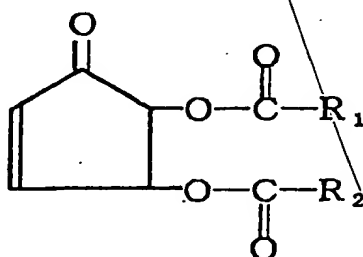
a compound of formula (II):



(II)

wherein a bond in the five-membered ring represented by a broken line means that the five-membered ring may be either a cyclopentene ring having a double bond or a saturated cyclopentane ring; in the case of a cyclopentene ring, X_1 is OH, Y_1 is =O and Z_1 is H; on the other hand, in the case of a cyclopentane ring, X_1 is =O, Y_1 is OH and Z_1 is OH; W_1 is a residue in which a SH group is removed from cysteine or a peptide containing cysteine;

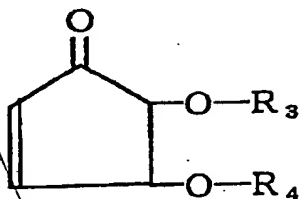
a compound of formula (III):



(III)

wherein R_1 and R_2 may be the same or different from each other, and are hydrogen, or an aliphatic, aromatic or aromatic aliphatic group;

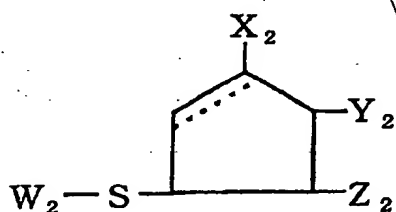
a compound of formula (IV):



(IV)

wherein R_3 and R_4 may be the same or different from each other, and are hydrogen, or an aliphatic, aromatic or aromatic aliphatic group, provided that R_3 and R_4 are not simultaneously H;

a compound of formula (V)

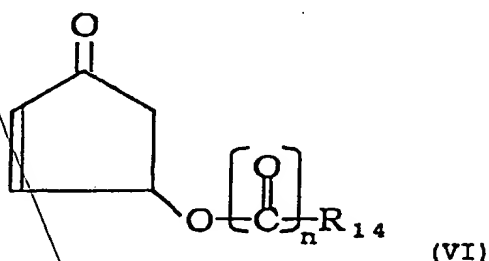


(V)

wherein a bond in the five-membered ring represented by a broken line means that the five-membered ring may be either a cyclopentene ring having a double bond or a saturated cyclopentane ring; in the case of a cyclopentene ring, X_2 is OR_5 , Y_2 is $=O$ and Z_2 is H; on the other hand, in the case of a cyclopentane ring, X_2 is $=O$, Y_2 is OR_6 and Z_2 is OR_7 ; R_5 is R_8 or -

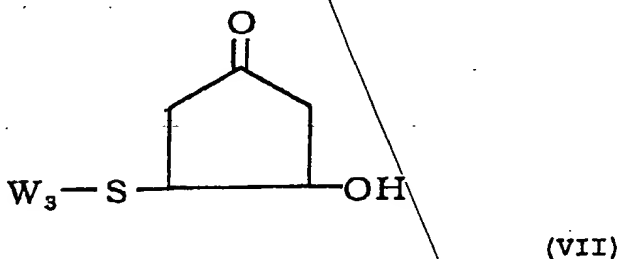
(CO)-R₉; R₆ is H, R₁₀ or -(CO)-R₁₁; and R₈ is H, R₁₂ or -(CO)-R₁₃ (wherein R₈, R₉, R₁₀, R₁₁, R₁₂ and R₁₃ may be the same or different from each other, and are an aliphatic, aromatic or aromatic aliphatic group, and R₉, R₁₁ and R₁₃ may be H), provided that R₆ and R₇ are not simultaneously H; W₂ is a residue in which a SH group is removed from cysteine or a peptide containing cysteine;

a compound of formula (VI):



wherein R₁₄ is an aliphatic, aromatic or aromatic aliphatic group, and n is 0 or 1, provided that if n is 0, R₁₄ is not H;

a compound of formula (VII):



wherein W₃ is a residue in which a SH group is removed from cysteine or a peptide containing cysteine;

4-(9-adeninyl)-2-cyclopenten-1-one; and

4-(9-guaninyl)-2-cyclopenten-1-onex,

wherein the amount of said active ingredient is above 10 µg/kg/day and less than 200 mg/kg/day.